

# ALIGNMENTS

SEQ ID #9

RESULT 11  
US-08-321-071A-16  
; Sequence 16, Application US/08321071A  
; Patent No. 5672686  
; GENERAL INFORMATION:  
; APPLICANT: CHITTENDEN, Thomas D.  
; TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS  
; TITLE OF INVENTION: OF USE THEREOF  
; NUMBER OF SEQUENCES: 31  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr  
; STREET: 1455 Pennsylvania Avenue, N.W.  
; CITY: Washington  
; STATE: D.C.  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/321,071A  
; FILING DATE: 11-OCT-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/10103  
; FILING DATE: 09-AUG-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/287,427  
; FILING DATE: 09-AUG-1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: WIXON, HENRY N.  
; REGISTRATION NUMBER: 32,073  
; REFERENCE/DOCKET NUMBER: 104322.121CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-942-8400  
; TELEFAX: 202-942-8484  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 211 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-321-071A-16

Query Match 97.3%; Score 1070; DB 1; Length 211;  
Best Local Similarity 96.7%; Pred. No. 8.7e-113;  
Matches 204; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

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QY 1 MASGQGPCPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYHHQEQEAEAGAAPADPEM 60
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Db 1 MASGQGPCPPRQECGEPALPSASEEQVAQDTEEVFRSYVFRHQEQEAEAGVAAPADPEM 60
   |||

QY 61 VTLPLQPSSTMGQVGRQLAIGDDINRRYDSEFQTMLOHLOPTAENAYEYFTKIASSLFE 120
   |||
Db 61 VTLPLQPSSTMGQVGRQLAIGDDINRRYDSEFQTMLOHLOPTAENAYEYFTKIATSLFE 120
   |||

QY 121 SGINWGRVVALLGFSYRLALHIYQRLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVAA 180
   |||
Db 121 SGIDWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVAA 180
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QY 181 LNLGNPILNVLVVLGVVLLGQFVVRFFKS 211
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Db 181 LNLGNPILNVLVVLGVVLLGQFVVRFFKS 211
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RESULT      4
US-08-321-071A-16
; Sequence 16, Application US/08321071A
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; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-321-071A-16

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Query Match 33.2%; Score 161.5; DB 1; Length 211;  
Best Local Similarity 51.3%; Pred. No. 2.3e-11;  
Matches 39; Conservative 6; Mismatches 28; Indels 3; Gaps 2;

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QY      1 MASGQGPGPPRQECGKPALPSASEEQVAQDMEGFSAATFFTTISRNRRLKG--RPPLPTQ 58.  
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Db      1 MASGQGPGPPRQECGEPAALPSASEEQVAQDTEEVFRSYVFPYRHQQEAEGVAAADPEM 60  
  
QY     59 RWSPC-PSNLAAPWGR 73  
       |  ||:         ||  
Db     61 VTLPLOPSSMTMGQVGR 76
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Qy	1	MASGGQGPSPRQECGEPALPSASEEQVAQDTEEVFRSYVYFRHQEQEAEQVAAADPEM	60
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Qy	61	VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMQLHQLQPTAENAYEYFTKIATSLFE	120
Db	61	VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMQLHQLQPTAENAYBYFTKIATSLFE	120
Qy	121	SG-NWGRVVALLGFGYRLALHVVYQHGLTGFGLQVTRFVVDFMLHHCIARWIAQRGGWVAA	179
Db	121	SGIDWGRVVALLGFGYRLALHVVYQHGLTGFGLQVTRFVVDFMLHHCIARWIAQRGGWVAA	180
Qy	180	LNLGNGPILNLVVLGVVLLGQFVVRREFKS	210
Db	181	LNLGNGPILNLVVLGVVLLGQFVVRREFKS	211